

WHAT IS CLAIMED IS:

1. An article of manufacture comprising a computer usable medium having computer readable program code means embodied therein, the computer program code means comprising:

a computer readable program code that refers to term definition dictionary data including summary elements defined as elements to be extracted in order to be included in a summary, and extracts the summary elements included in document data to be analyzed;

a computer readable program code that combines the extracted summary elements in accordance with a predetermined rule and generates summary information of the document data to be analyzed; and

a computer readable program code that links the document data to be analyzed with the summary information.

2. An article of manufacture comprising a computer usable medium having computer readable program code means embodied therein, the computer program code means comprising:

a first computer readable program code that refers to term definition dictionary data including summary elements defined as elements to be extracted in order to be included in a summary, and extracts the summary elements included in document data to be analyzed;

a second computer readable program code that

combines the extracted summary elements in accordance with a predetermined rule and generates summary information of the document data to be analyzed;

5 a third computer readable program code that links the document data to be analyzed with the summary information; and

10 a fourth computer readable program code that, when a designation of the summary information from a user is received, searches the document data to be analyzed corresponding to the designated summary information based on a link result between the document data to be analyzed and the summary information, and generates screen data including the designated summary information and the searched document data to be  
15 analyzed.

3. The article of manufacture comprising a computer usable medium according to claim 2, wherein the fourth computer readable program code is a code that characterizes a portion of the document data to be  
20 analyzed, which corresponds to the summary information, included in the screen data.

4. The article of manufacture comprising a computer usable medium according to claim 2, wherein the fourth computer readable program code is a code  
25 that generates the screen data that makes the user hierarchically designate search keys for use in search of the document data to be analyzed, searches the

document data to be analyzed based on the search keys designated by the user, searches the summary information corresponding to the searched document data to be analyzed based on the link result between the document data to be analyzed and the summary information, and generates the screen data including the searched document data to be analyzed and the searched summary information.

5. The article of manufacture comprising a computer usable medium according to claim 4, wherein the fourth computer readable program code is a code that, when a search key in an arbitrary hierarchy is designated by the user, generates the screen data that makes the user designate a next search key from a search key in a hierarchy of an order lower than the arbitrary hierarchy and the search key in the arbitrary hierarchy.

6. The article of manufacture comprising a computer usable medium according to claim 4, wherein the fourth computer readable program code is a code that, when a search key in an arbitrary hierarchy is designated by the user, searches the document data to be analyzed based on the search key designated in the arbitrary hierarchy and a search key designated in a hierarchy of an order higher than the arbitrary hierarchy before the arbitrary hierarchy is designated.

7. The article of manufacture comprising a

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computer usable medium according to claim 2, wherein:

the document data to be analyzed includes index information indicative of a category under which the document data falls; and

5 the fourth computer readable program code is a code that, when a designation of the category from the user is received, searches the document data to be analyzed that falls under the designated category based on the index information, searches the summary  
10 information corresponding to the searched document data to be analyzed based on the link result between the document data to be analyzed and the summary information, and generates the screen data including the searched document data to be analyzed, the category  
15 under which the searched document data falls and the searched summary information.

8. The article of manufacture comprising a computer usable medium according to claim 7, wherein  
20 the fourth computer readable program code is a code that generates the screen data that makes the user hierarchically designate the category and the summary information, searches the document data to be analyzed that satisfies a search condition generated based on the designation from the user, and generates the screen  
25 data including the searched document data to be analyzed, the category under which the searched document data falls and the searched summary

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information.

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5 9. The article of manufacture comprising a  
computer usable medium according to claim 8, wherein  
that, when the category or the summary information in  
an arbitrary hierarchy is designated by the user,  
generates the screen data which makes the user  
designate the next category or the summary information  
from the category or the summary information in a  
10 hierarchy of an order lower than the arbitrary  
hierarchy, and the category or the summary information  
in the arbitrary hierarchy.

15 10. The article of manufacture comprising a  
computer usable medium according to claim 8, wherein  
the fourth computer readable program code is a code  
that, when the category or the summary information in  
an arbitrary hierarchy is designated by the user,  
searches the document data to be analyzed based on the  
category or the summary information designated in the  
20 arbitrary hierarchy and the category or the summary  
information designated in a hierarchy of an order  
higher than the arbitrary hierarchy before the  
arbitrary hierarchy is designated.

25 11. A method of document analysis by a computer,  
comprising:

referring to term definition dictionary data  
including summary elements defined as elements to be

extracted in order to be included in a summary;

extracting the summary elements included in  
document data to be analyzed;

combining the extracted summary elements in  
5 accordance with a predetermined rule and generating  
summary information of the document data to be  
analyzed; and

linking the document data to be analyzed with the  
summary information.

10 12. A method of document analysis by a computer,  
comprising:

referring to term definition dictionary data  
including summary elements defined as elements to be  
extracted in order to be included in a summary;

15 extracting the summary elements included in  
document data to be analyzed;

combining the extracted summary elements in  
accordance with a predetermined rule and generating  
summary information of the document data to be  
20 analyzed;

linking the document data to be analyzed with the  
summary information;

when a designation of the summary information from  
a user is received, searching the document data to be  
25 analyzed corresponding to the designated summary  
information based on a link result between the document  
data to be analyzed and the summary information; and

generating screen data including the designated summary information and the searched document data to be analyzed.

5 13. A method of document analysis by a computer, comprising:

receiving document data to be analyzed including index information indicative of a category under which the document data falls;

10 referring to term definition dictionary data including summary elements defined as elements to be extracted in order to be included in a summary;

extracting the summary elements included in the document data to be analyzed;

15 combining the extracted summary elements in accordance with a predetermined rule and generating summary information of the document data to be analyzed;

linking the document data to be analyzed with the summary information;

20 when a designation of the category from the user is received, searching the document data to be analyzed that falls under the designated category based on the index information;

25 searching the summary information corresponding to the searched document data to be analyzed based on a link result between the document data to be analyzed and the summary information; and

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generating screen data including the searched document data to be analyzed, the category under which the searched document data falls and the searched summary information.

5           14. A system of document analysis comprising:

          a unit that refers to term definition dictionary data including summary elements defined as elements to be extracted in order to be included in a summary, and extracts the summary elements included in document data to be analyzed;

10           a unit that combines the extracted summary elements in accordance with a predetermined rule and generates summary information of the document data to be analyzed; and

15           a unit that links the document data to be analyzed with the summary information.

          15. A system of document analysis comprising:

          a unit that refers to term definition dictionary data including summary elements defined as elements to be extracted in order to be included in a summary, and extracts the summary elements included in document data to be analyzed;

20           a unit that combines the extracted summary elements in accordance with a predetermined rule and generates summary information of the document data to be analyzed;

25           a unit that links the document data to be analyzed



with the summary information; and

- 5       a unit that, when a designation of the summary information from a user is received, searches the document data to be analyzed corresponding to the designated summary information based on a link result between the document data to be analyzed and the summary information, and generates screen data including the designated summary information and the searched document data to be analyzed.

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